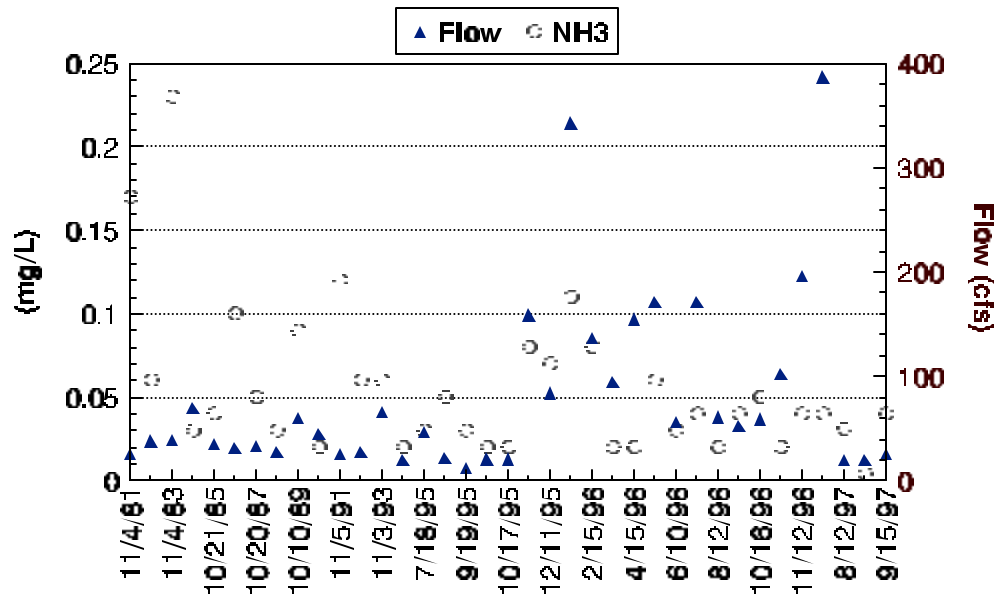


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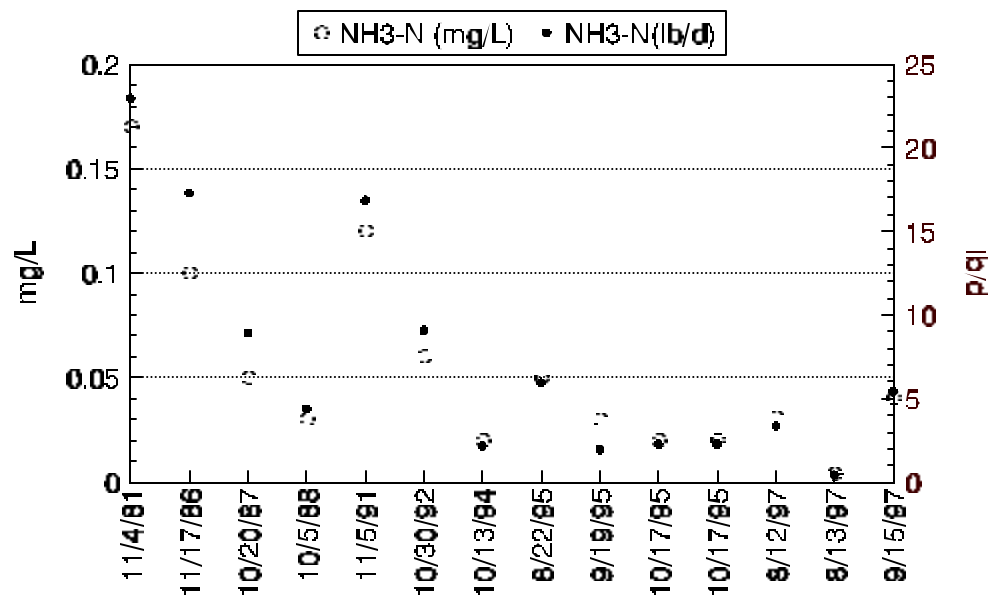
## Appendix B

### Time Series Plots of Nutrient Concentrations, Flow Rates, and Mass Loads For the Brandywine River

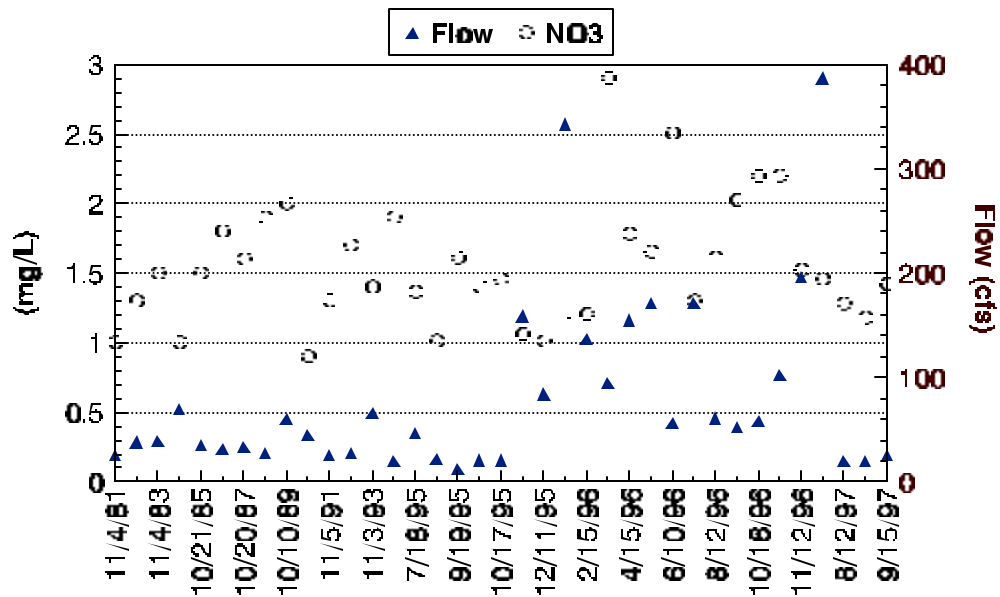
East Brandywine Above Downingtown  
- USGS, PADEP, and DE DNREC Data - All Flows



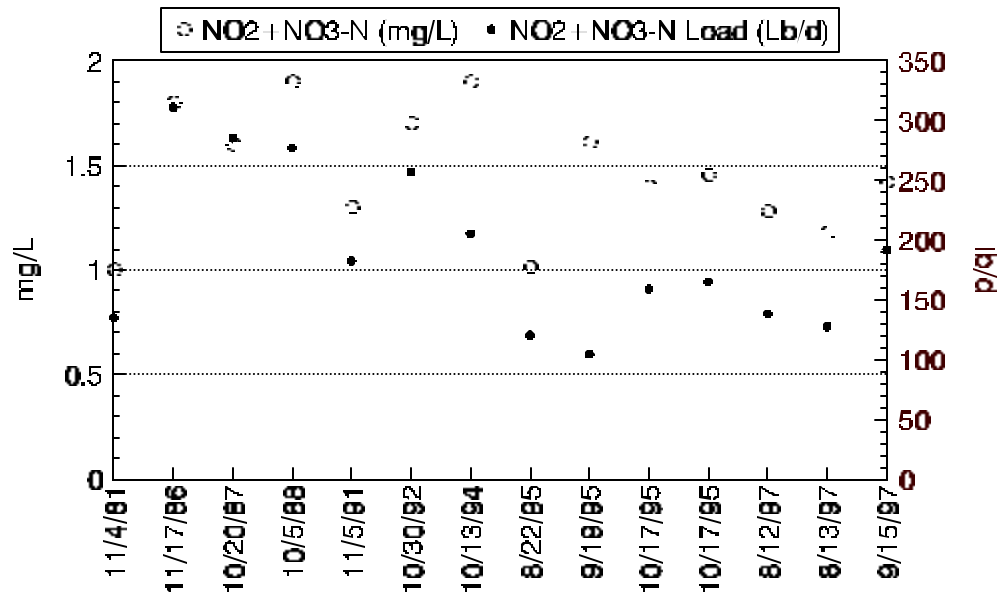
East Brandywine Above Downingtown -  
USGS, PADEP and DNREC Data - Flows < 33 cfs



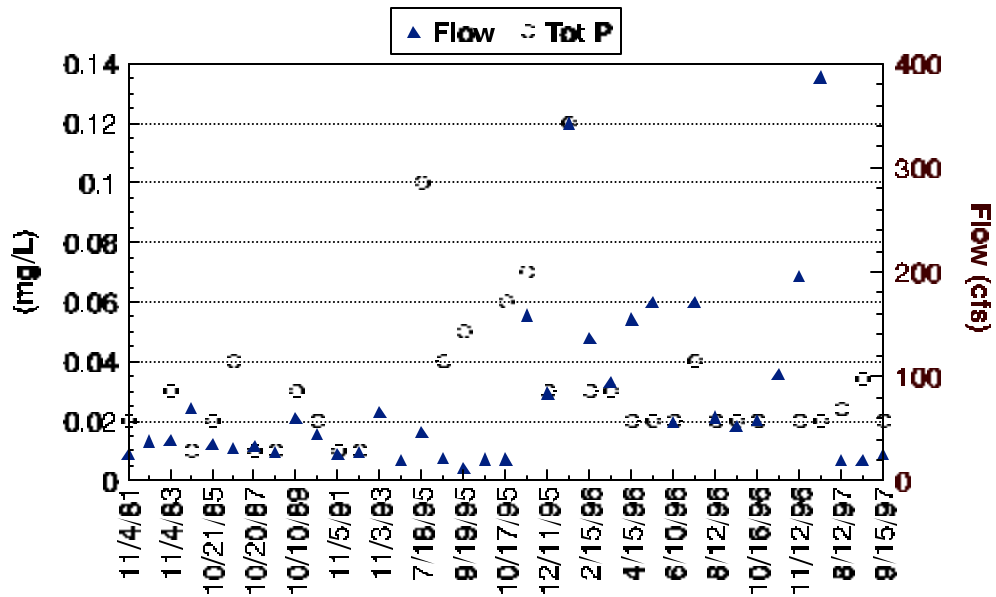
**East Brandywine Above Downingtown  
- USGS, PADEP, and DE DNREC Data - All Flows**



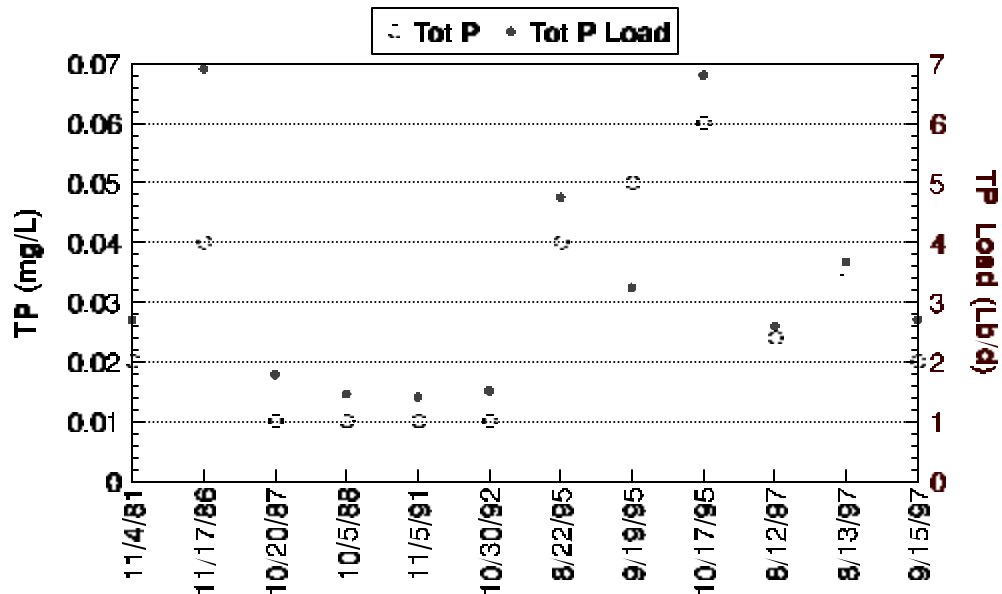
**East Brandywine Above Downingtown -  
USGS, PADEP and DNREC Data - Flows < 33 cfs**



East Brandywine Above Downingtown  
- USGS, PADEP, and DE DNREC Data - All Flows

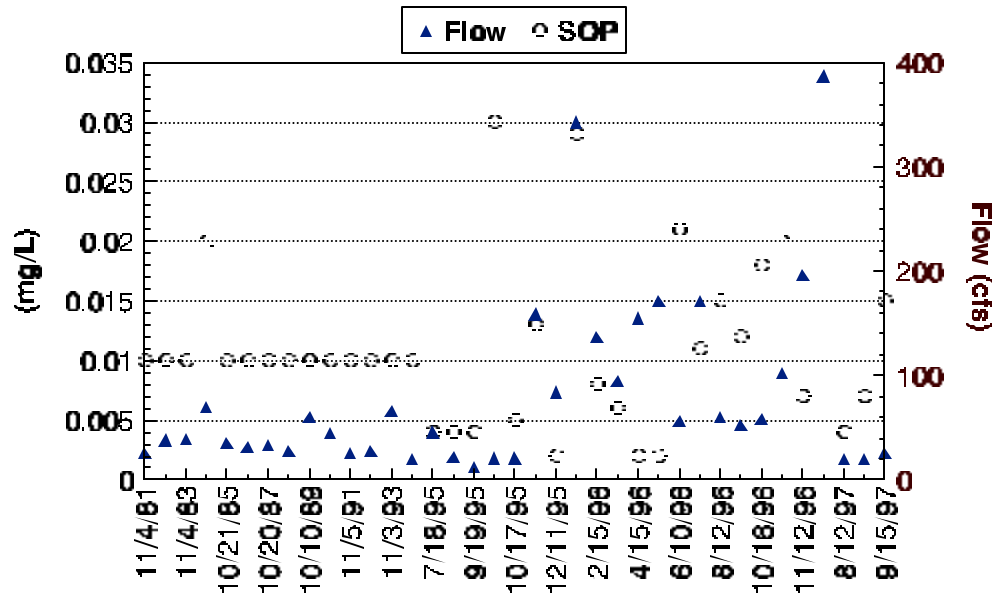


East Brandywine Above Downingtown -  
USGS, PADEP and DNREC Data - Flows < 33 cfs

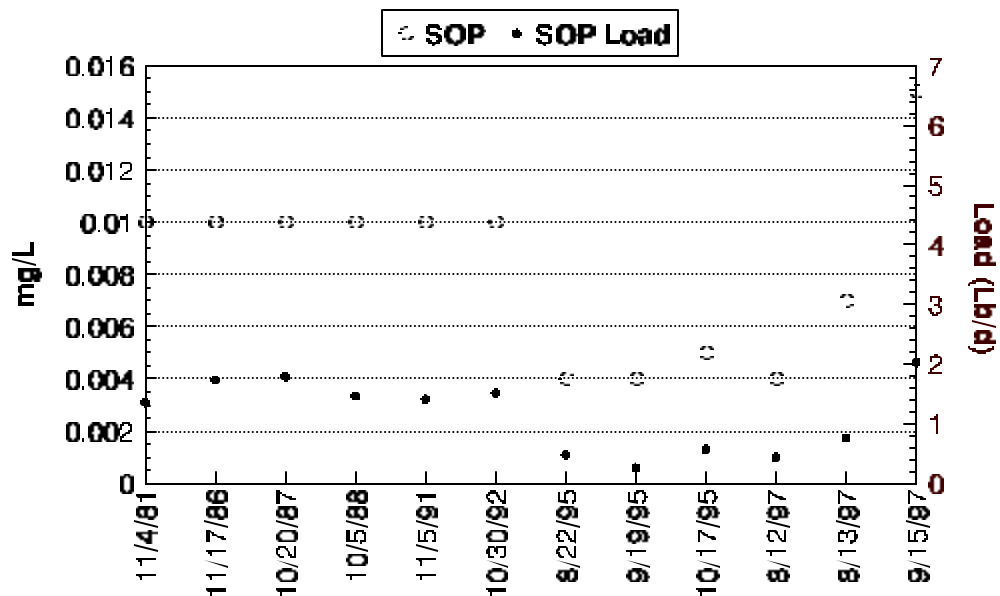


Note: USGS detection limit = 0.01 mg/L P

East Brandywine Above Downingtown  
- USGS, PADEP, and DE DNREC Data - All Flows

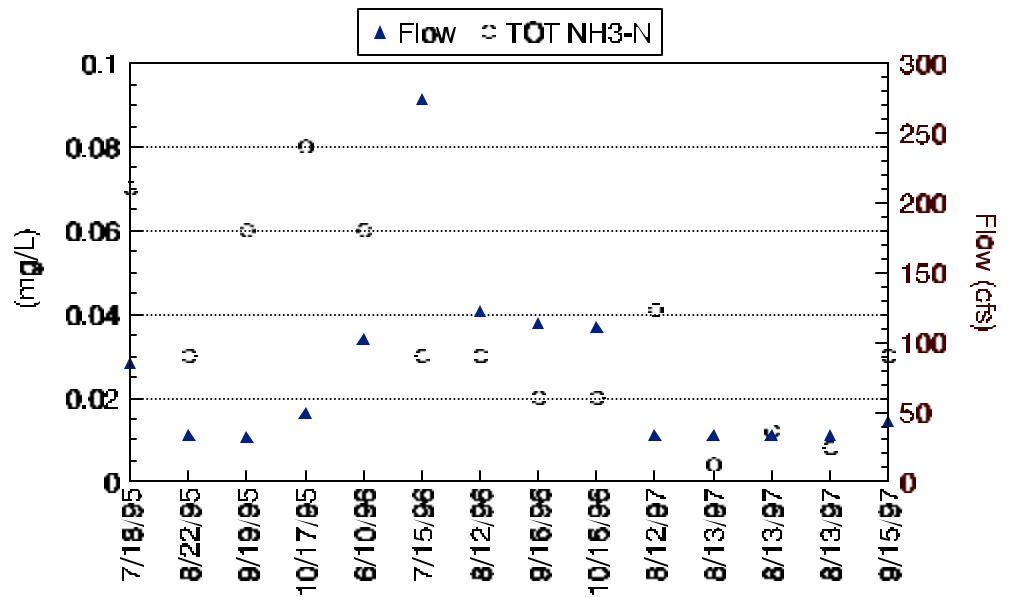


East Brandywine Above Downingtown -  
USGS, PADEP and DNREC Data - Flows < 33 cfs

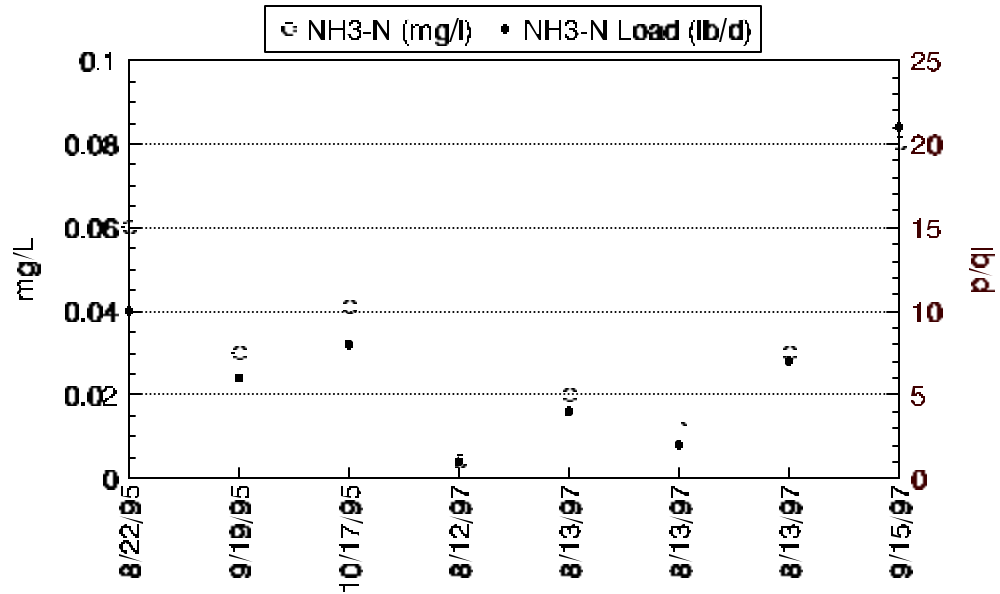


Note: USGS detection limit = 0.01 mg/L P

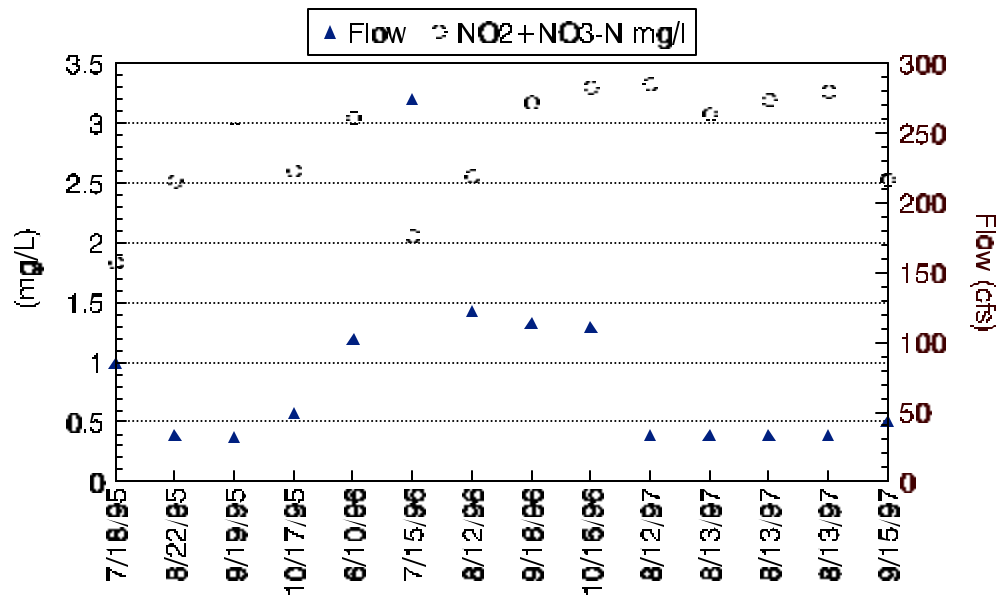
# East Brandywine Below Downingtown PA DEP Data June-October Data 1995-1997 - All Flows



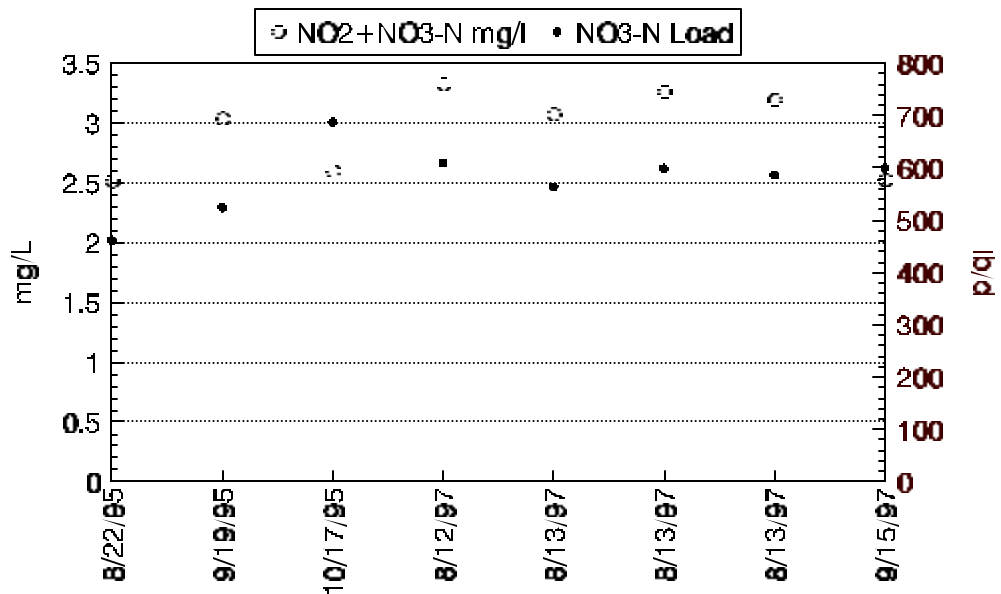
# East Brandywine Below Downingtown PA DEP Data Aug-October Data 1995-1997 - Flows < 50 cfs



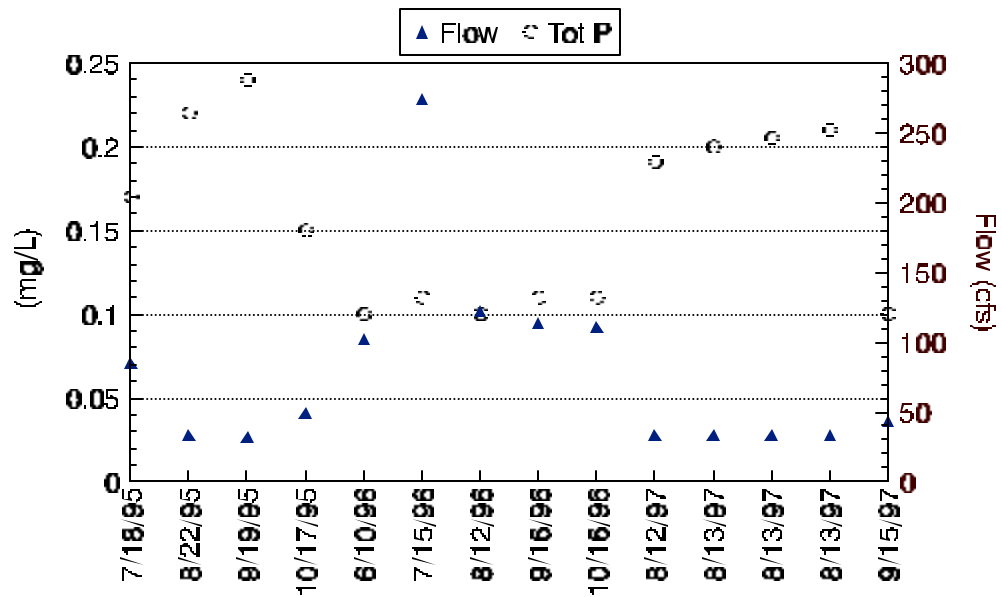
**East Brandywine Below Downingtown PA DEP Data**  
**June-October Data 1995-1997 - All Flows**



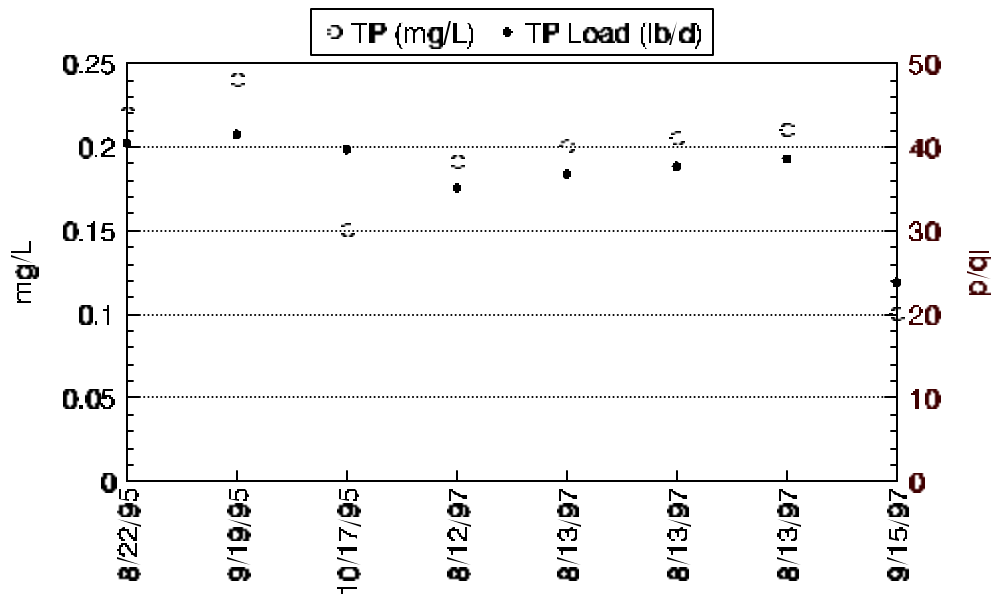
**East Brandywine Below Downingtown PA DEP Data**  
**Aug-October Data 1995-1997 - Flows < 50 cfs**



East Brandywine Below Downingtown PA DEP Data  
June-October Data 1995-1997 - All Flows

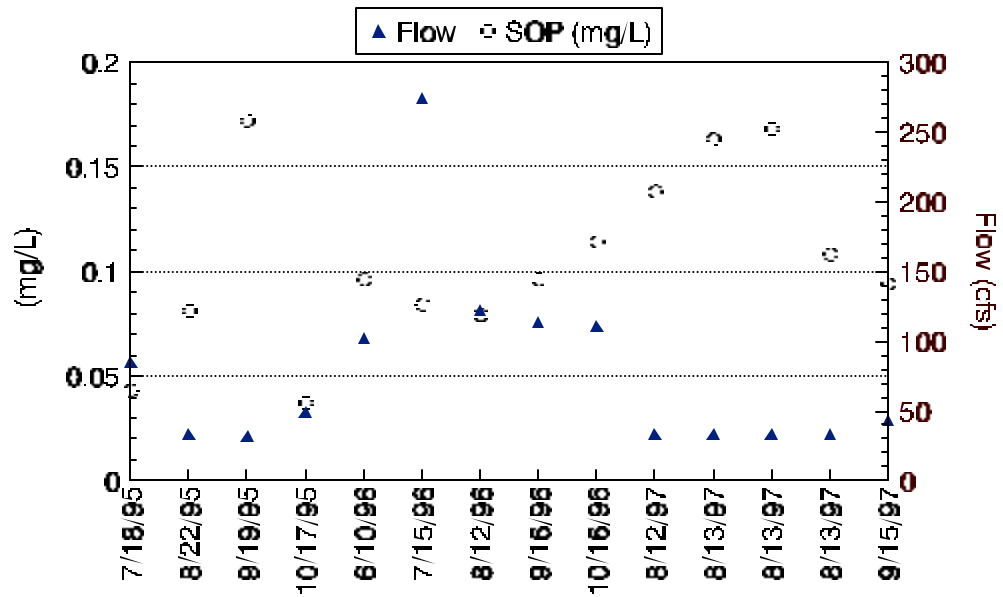


East Brandywine Below Downingtown PA DEP Data  
Aug-October Data 1995-1997 - Flows < 50 cfs

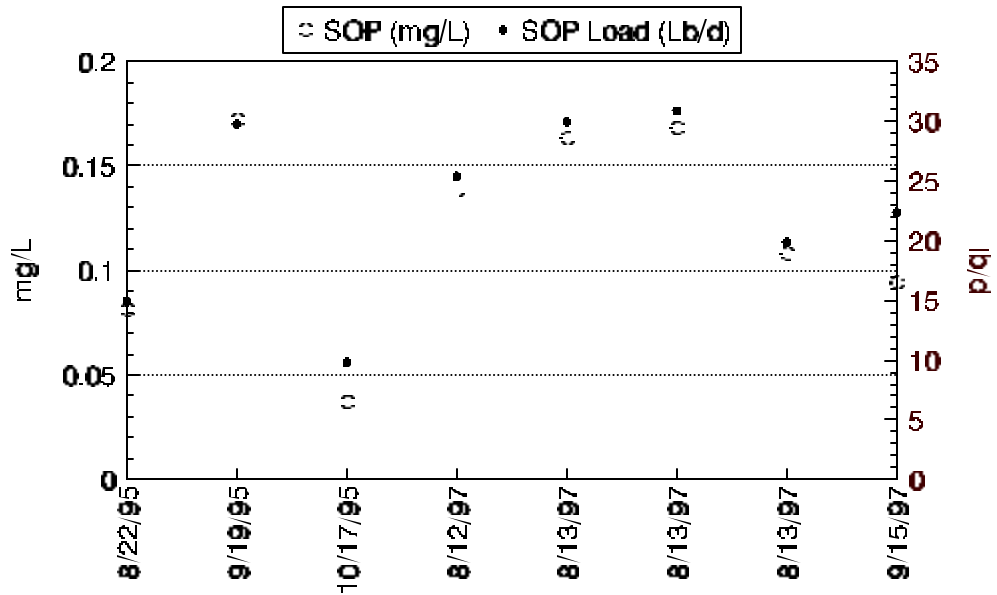




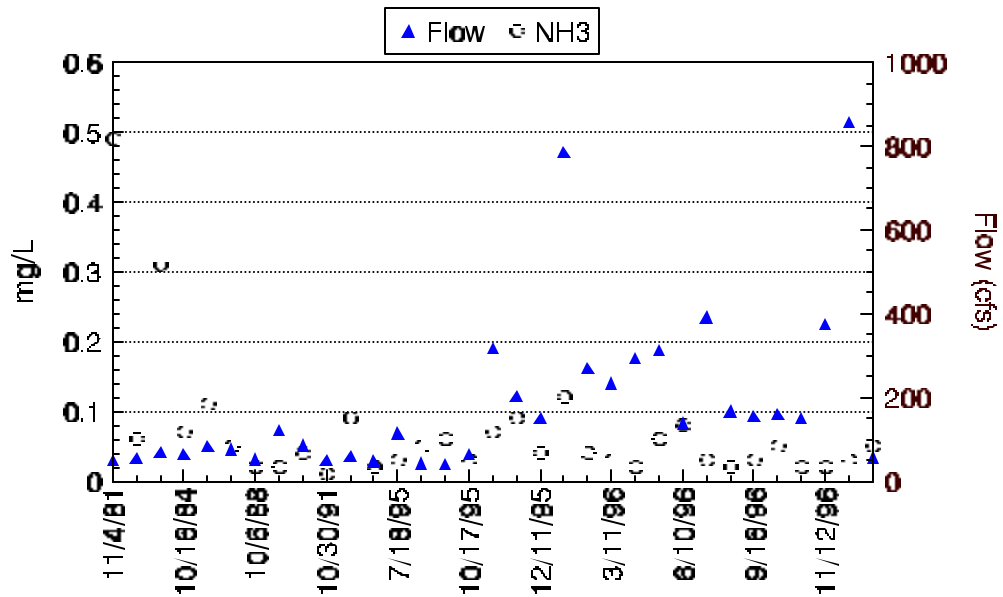
East Brandywine Below Downingtown PA DEP Data  
June-October Data 1995-1997 - All Flows



East Brandywine Below Downingtown PA DEP Data  
Aug-October Data 1995-1997 - Flows < 50 cfs

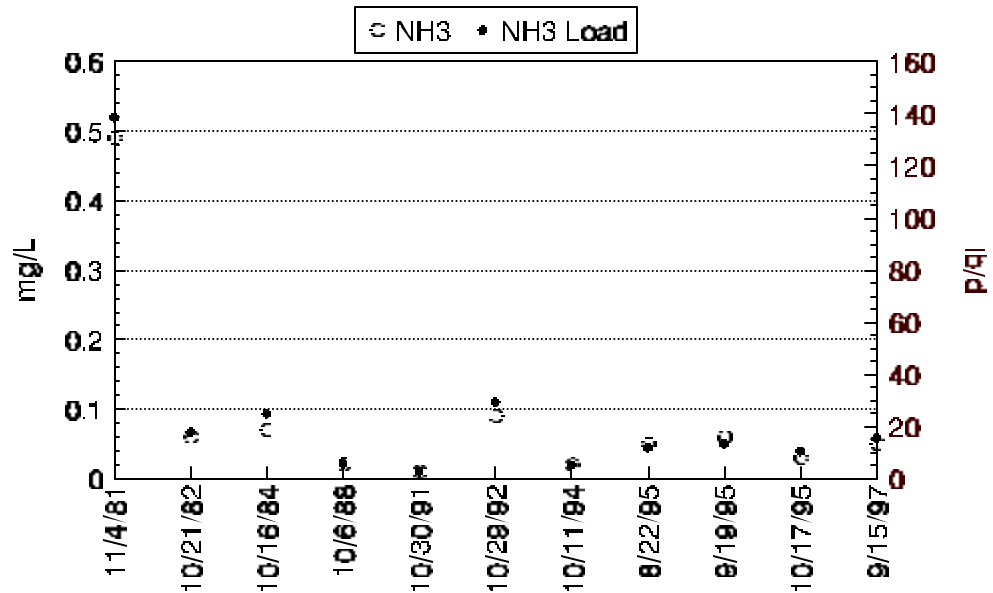


# East Brandywine at Wawaset- Combined USGS and PA DEP Data - All Data



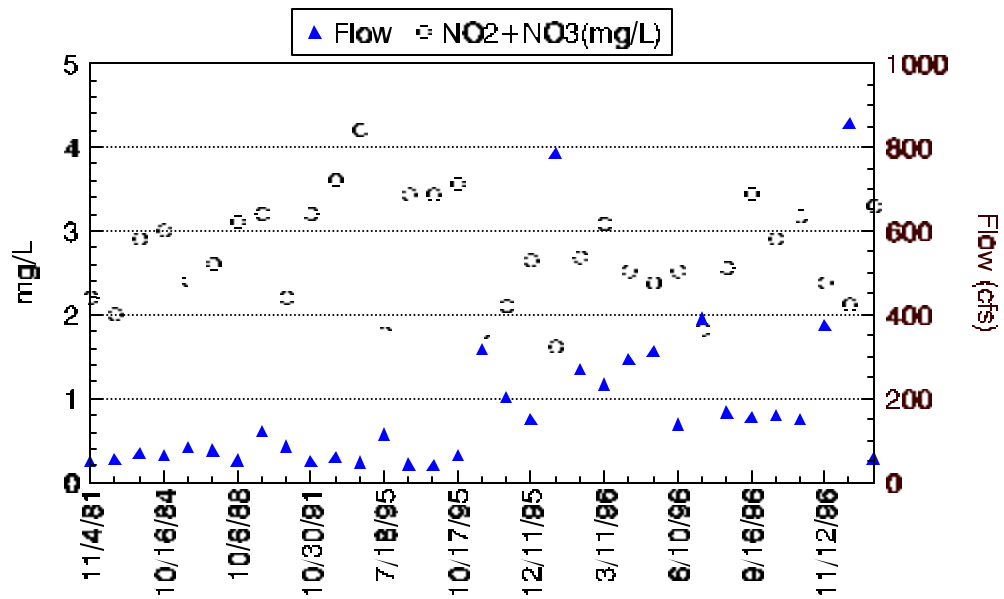
Flows estimated as  $1.1 \times 10^{-0} \times 1.047$  based on Measured Flows at Downingtown

## East Brandywine at Wawaset- Combined USGS and PA DEP Data (Aug-Nov Data) For Flows < 66 cfs



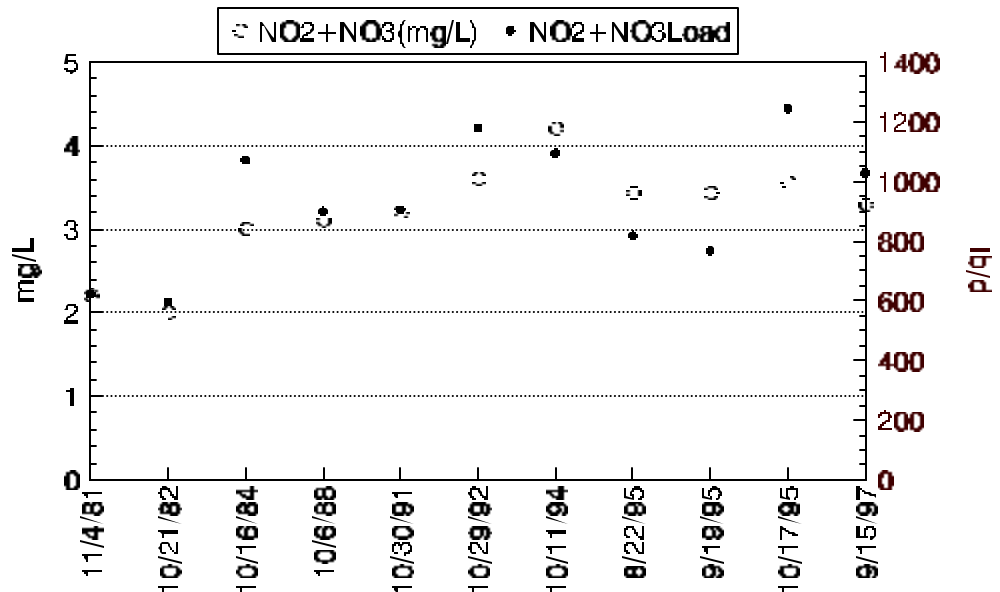
Flows estimated as  $1.1 \times 10^{-0} \times 1.047$  based on Measured Flows at Downingtown

# East Brandywine at Wawaset- Combined USGS and PA DEP Data - All Data



Flows estimated as  $1.10 \cdot Q^{1.047}$  based on Measured Flows at Downingtown

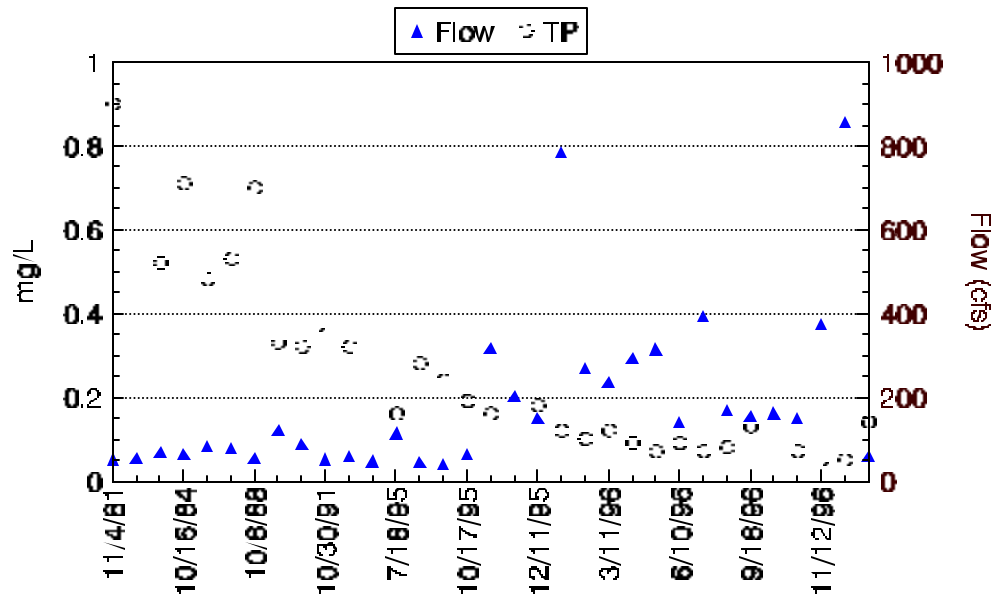
## East Brandywine at Wawaset- Combined USGS and PA DEP Data (Aug-Nov Data) For Flows < 66 cfs



Flows estimated as  $1.10 \cdot Q^{1.047}$  based on Measured Flows at Downingtown

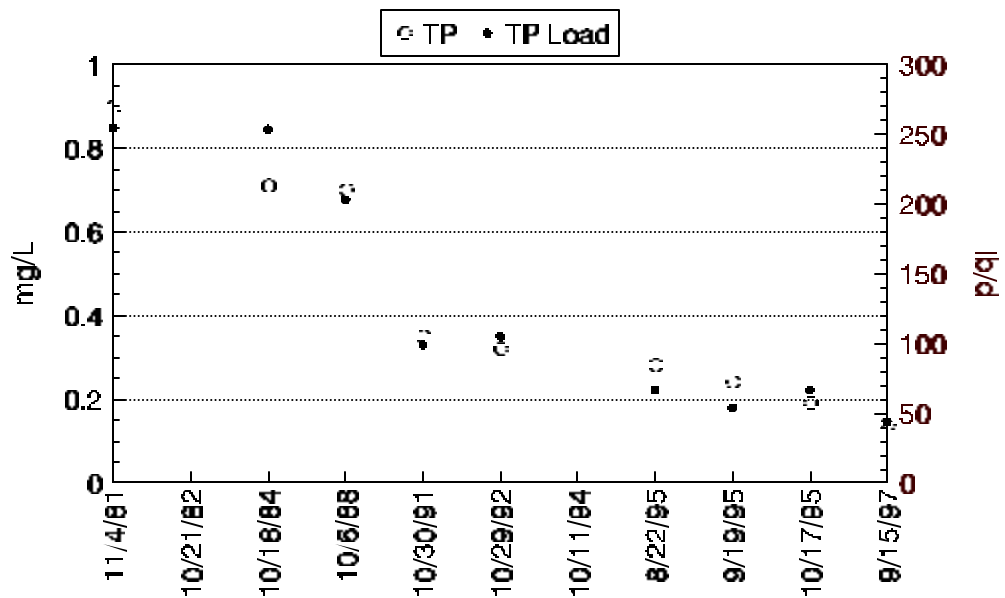
*Draft*

**East Brandywine at Wawaset-  
Combined USGS and PA DEP Data - All Data**



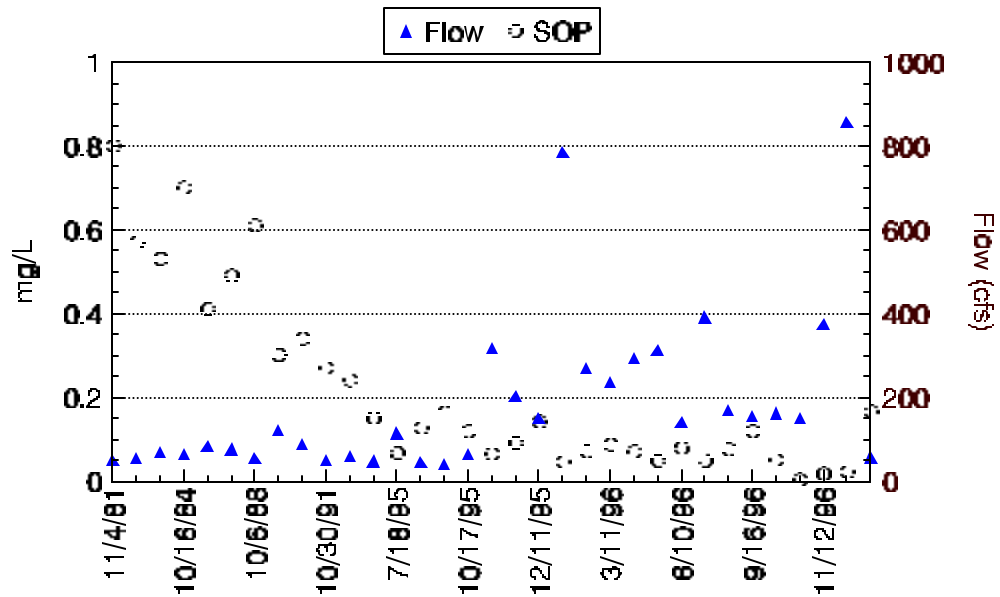
Flows estimated as  $1.10 \times 10^{-1.047}$  based on Measured Flows at Downingtown

**East Brandywine at Wawaset-  
Combined USGS and PA DEP Data (Aug-Nov Data)  
For Flows < 66 cfs**



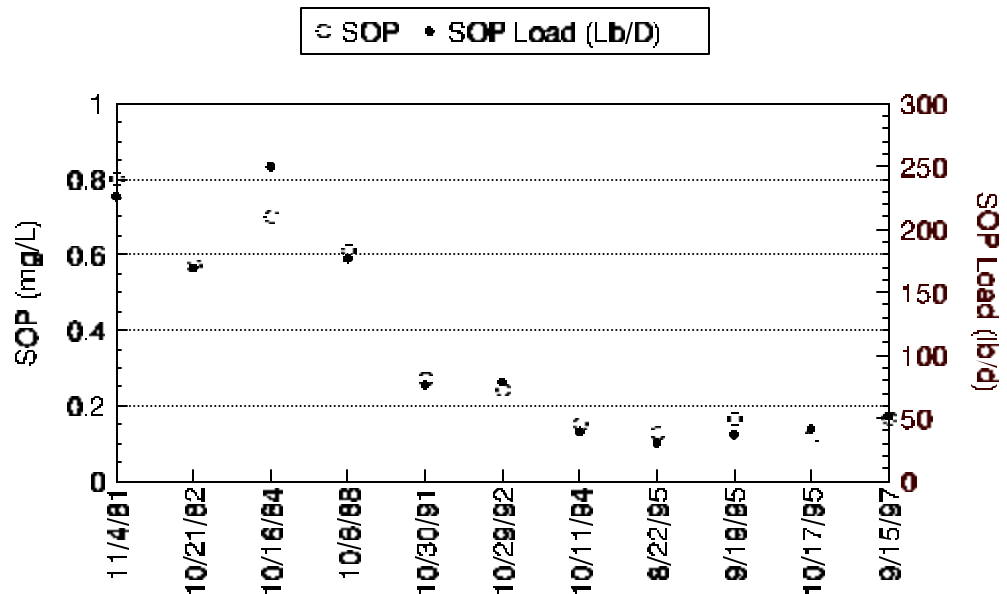
Flows estimated as  $1.10 \times 10^{-1.047}$  based on Measured Flows at Downingtown

### East Brandywine at Wawaset- Combined USGS and PA DEP Data - All Data



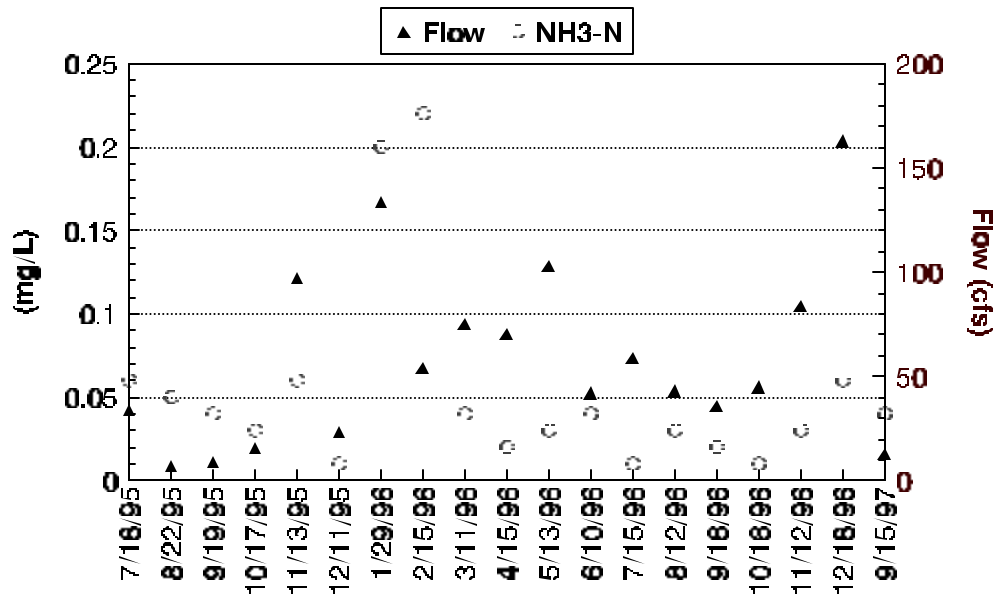
Flows estimated as  $1.10 \cdot D^{1.047}$  based on Measured Flows at Downingtown

### East Brandywine at Wawaset- Combined USGS and PA DEP Data (Aug-Nov Data) For Flows < 66 cfs

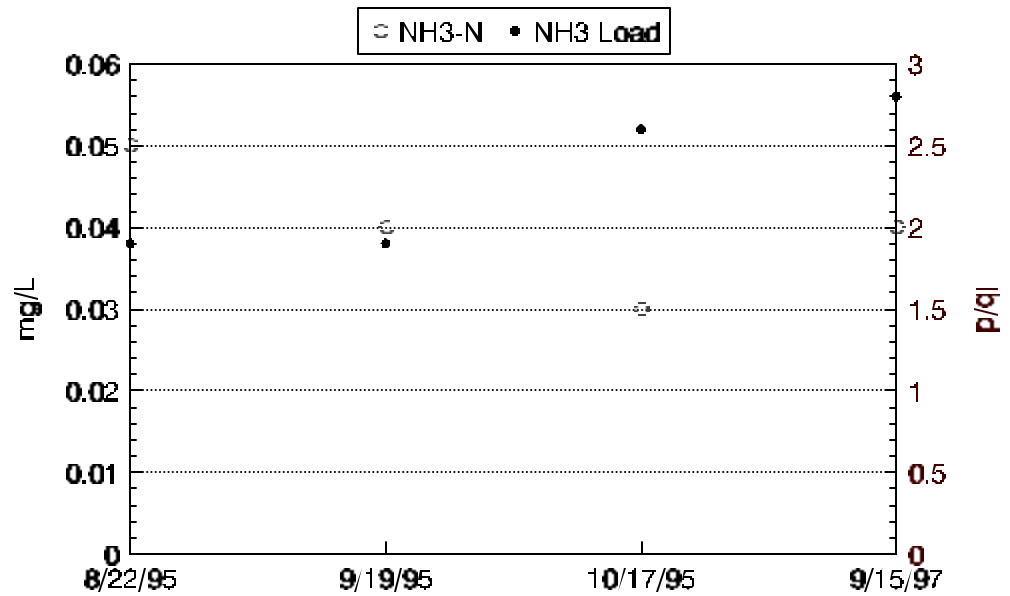


Flows estimated as  $1.10 \cdot D^{1.047}$  based on Measured Flows at Downingtown

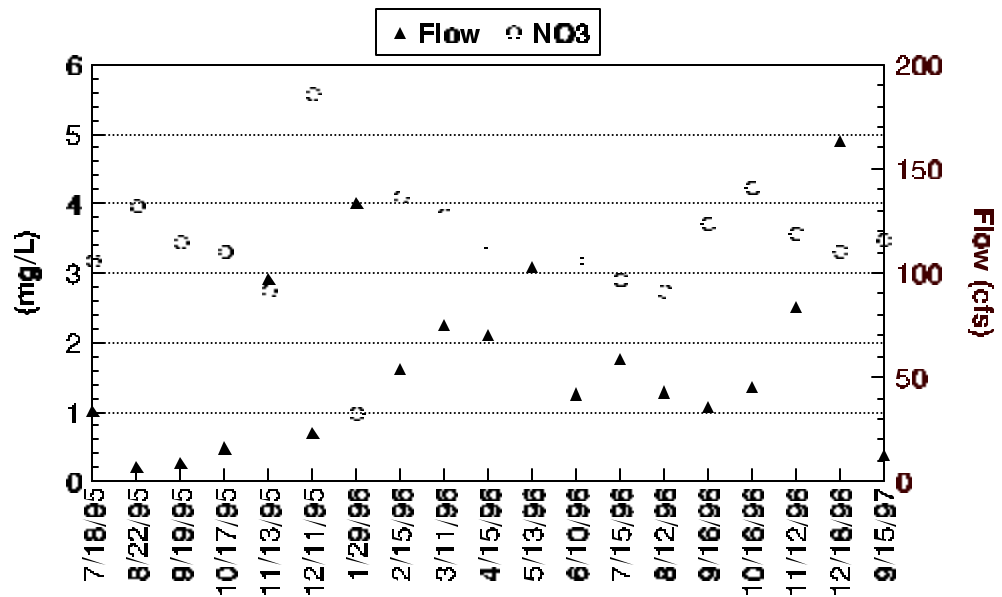
# West Brandywine above Coatesville All Data



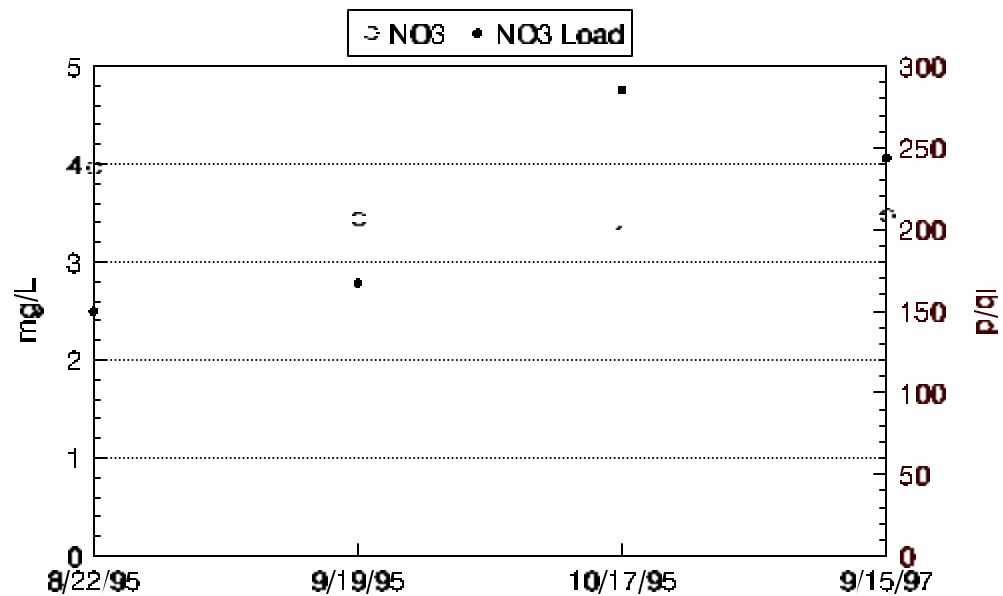
## West Brandywine above Coatesville Flows < 20 cfs



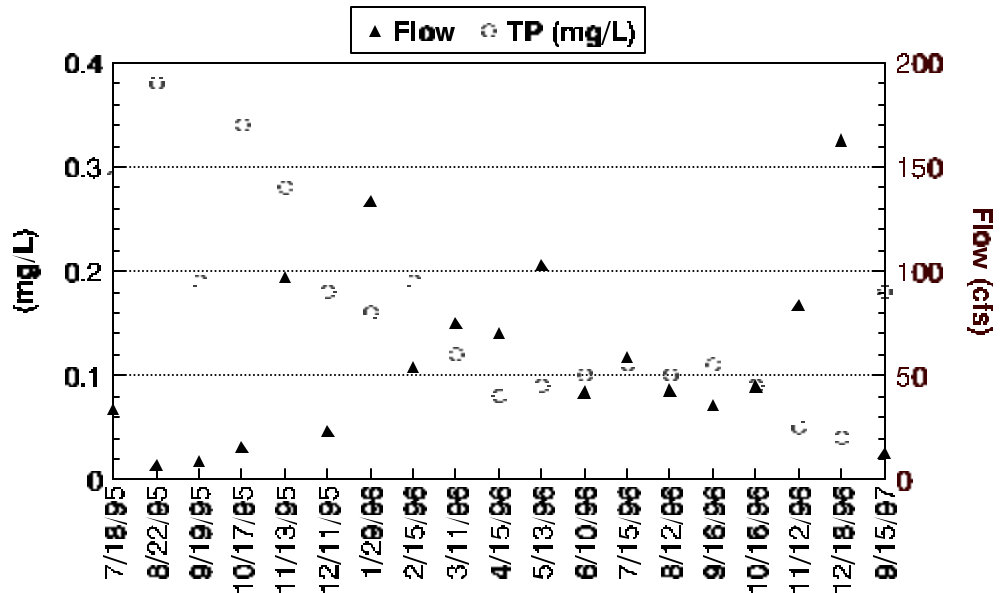
West Brandywine above Coatesville  
All Data



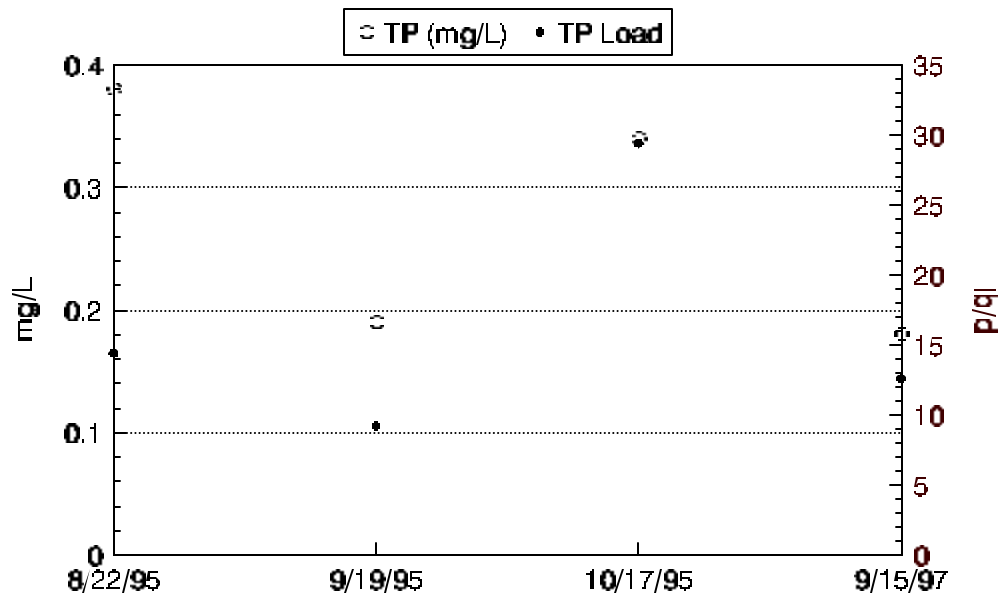
West Brandywine above Coatesville  
Flows < 20 cfs



# West Brandywine above Coatesville All Data



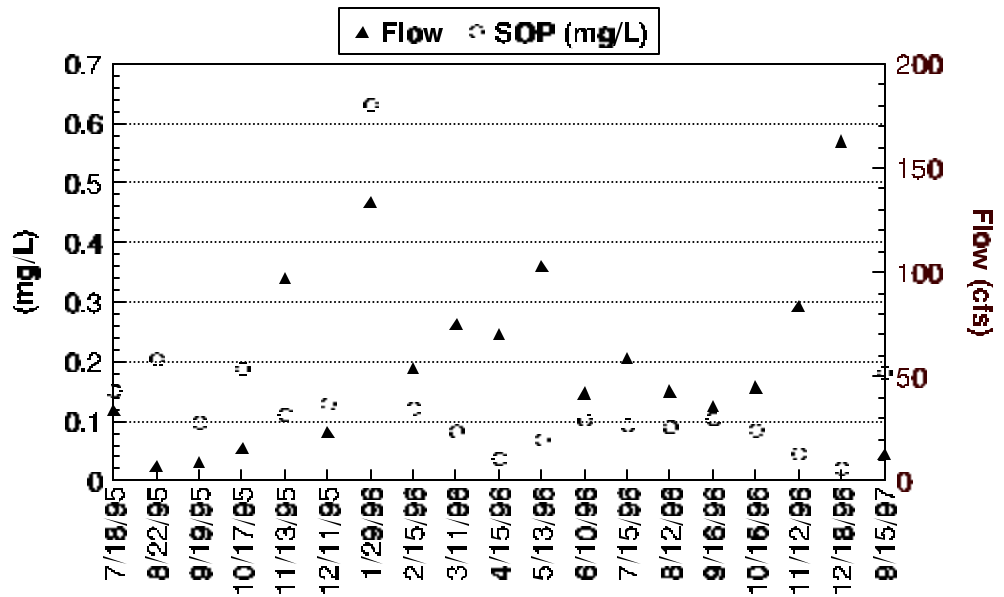
## West Brandywine above Coatesville Flows < 20 cfs



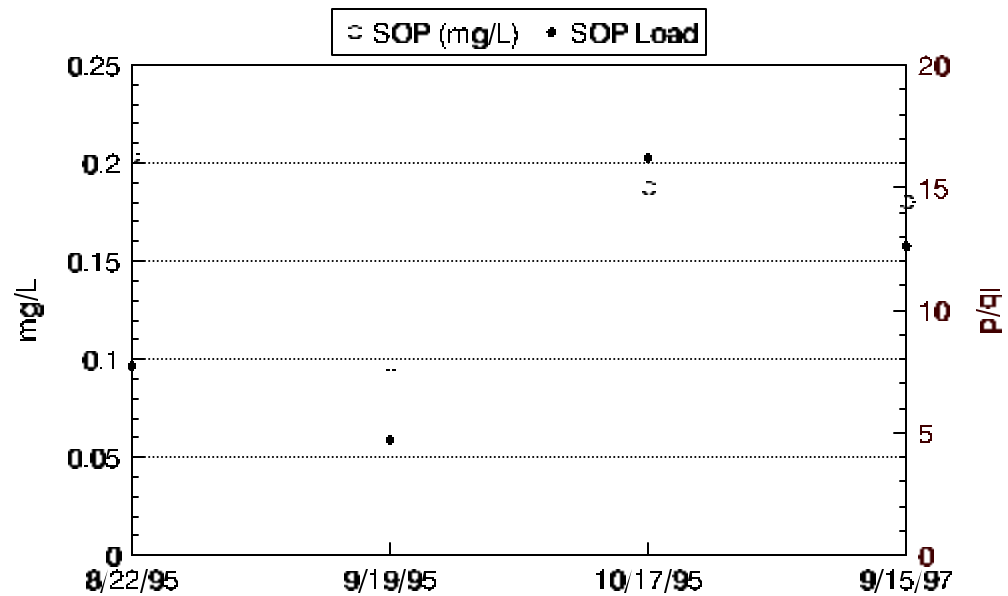


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West Brandywine above Coatesville  
All Data



West Brandywine above Coatesville  
Flows < 20 cfs



*Draft*